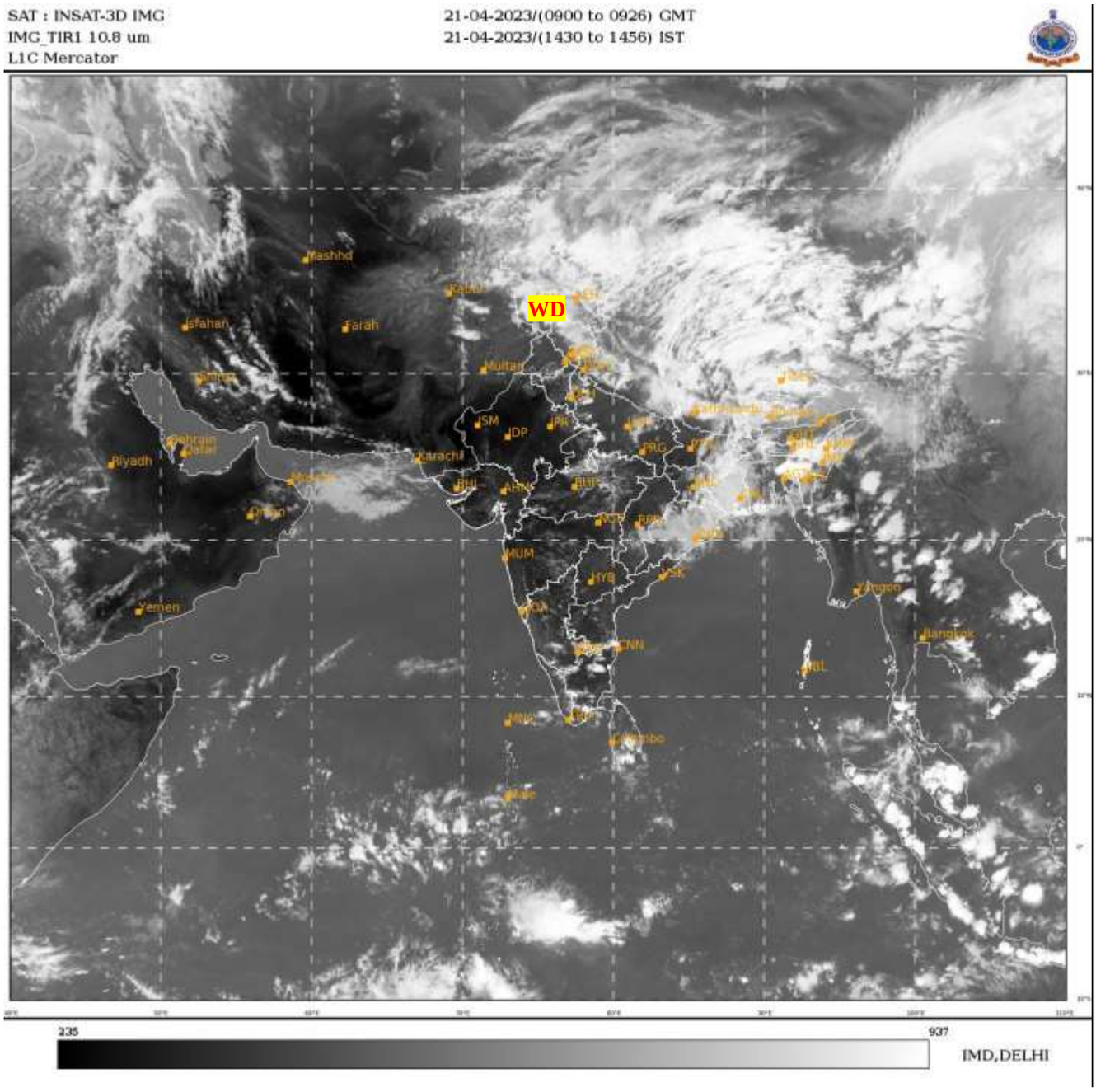
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences

# SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS

**21.04.2023 TIME 0900 UTC**




**TCIN50 DEMS 210900**
**SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 210900 UTC (.)**
**REGION COVERED BETWEEN LAT 50.0ºN TO 35.0ºS AND LONG 40.0ºE TO 125.0ºE (.)**

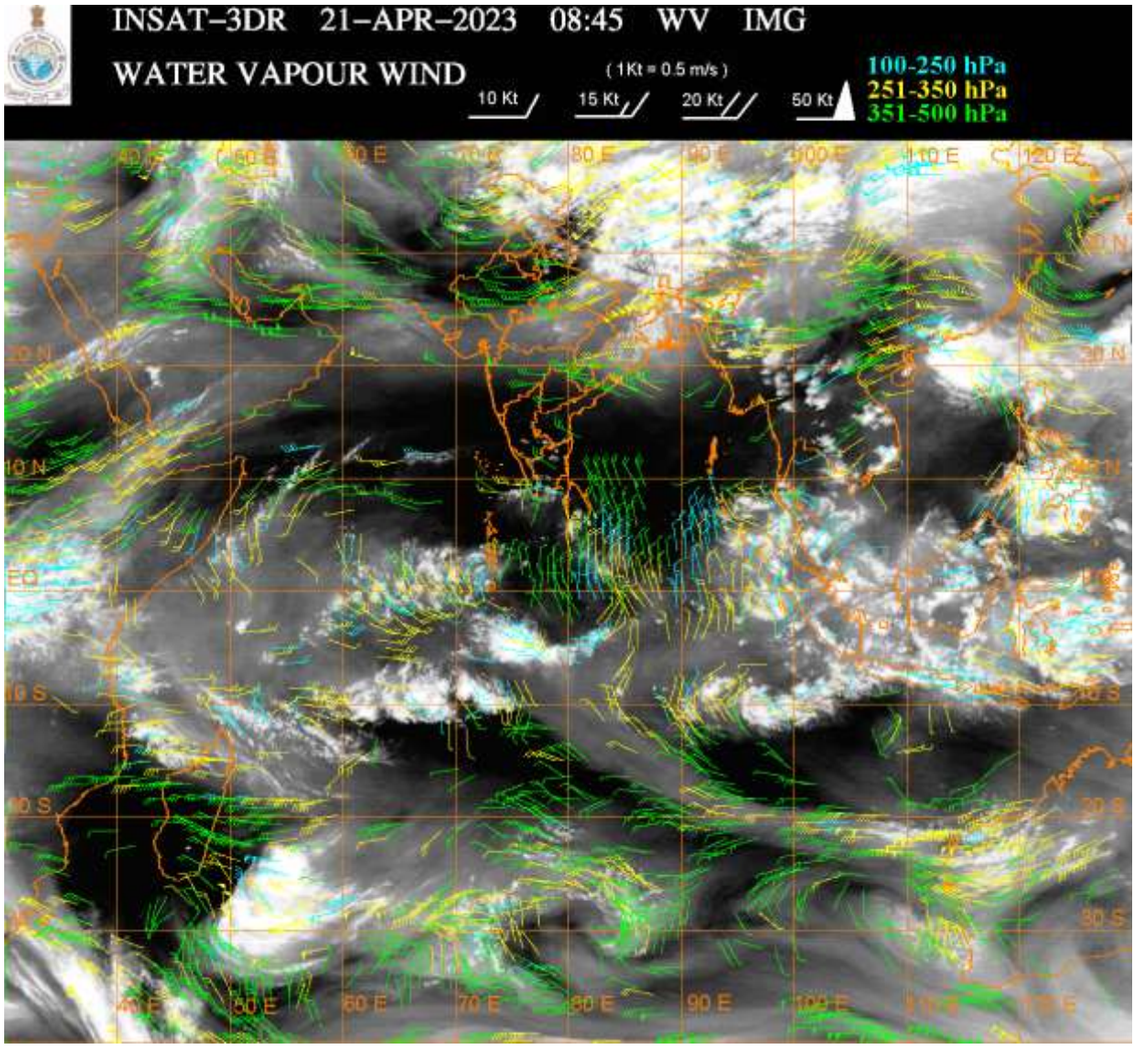
## SALIENT FEATURES:-

## WESTERN DISTURBANCE (WD):-

**SCT MULTILAYERED CLOUDS OVER N PAK LADAKH J&K HP UTRKND NEPAL TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)**

## THUNDERSTORM / CONVECTIVE ACTIVITY:-

**MODERATE TO INTENSE THUNDERSTORM / CONVECTIVE ACTIVITY OBSERVED OVER J&K LADAKH (MINIMUM CTT MINUS 60 DEG CEL) HP UTRKND W & E UP E BHR E JHRKND N ORS GWB SHWM SKM EXT NW & EXT SE ARUPR (MINIMUM CTT MINUS 50 DEG CEL) E MEGHA C ASSAM NAGA N MANI N TRP (MINIMUM CTT MINUS 61 DEG CEL) (.)**




**CLOUDS DESCRIPTION WITHIN INDIA:-**

**NORTH:-**

**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADAKH J&K HP UTRKND W & E UP (.) ISOL TO SCT LOW/MED CLOUDS OVER S PJB HARY DLH S UP (.)**

**EAST:-**

**SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER N ORS GWB SKM E MEGHA S & E ASSAM ARUPR N NAGA N TRP (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER E BHR E JHRKND S CHTGH C ORS SHWB REST NE STATES & BD (.)**

**WEST:-**

**SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER NE RAJ MP SW VID MRTHWD (.) ISOL TO SCT LOW/MED CLOUDS OVER S RAJ GUJ REST MAHA (.)**

**SOUTH:-**

**SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SIK S RYLSM TN (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER N SIK NIK SW & NE TLNGN N RYLSM S COTL AP KER NICOBAR ILS (.) SCT LOW/MED CLOUDS OVER COTL KRNTK REST TLNGN N COTL AP (.)**

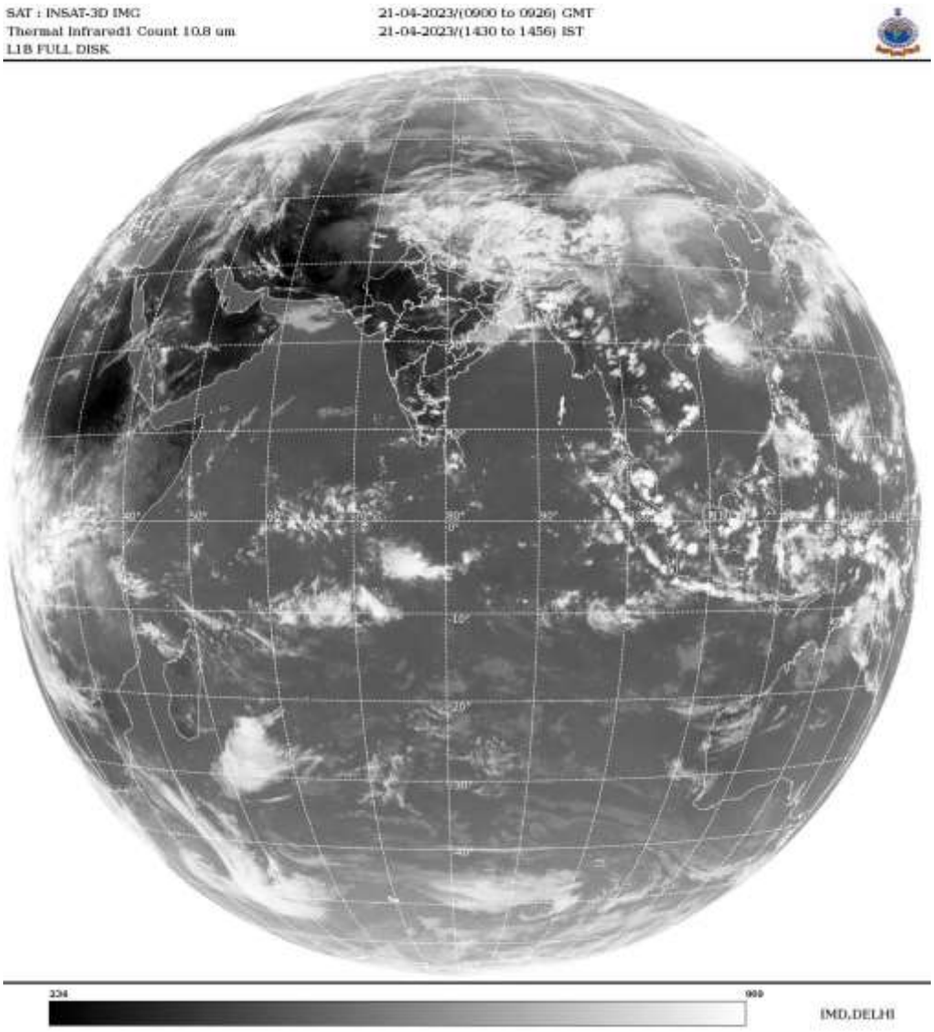
**ARABIAN SEA:-**

**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S ADJ CENTRAL ARSEA COMORIN AREA AND WK TO MOD CONVTN OVER NORTH ARSEA (.)**

**BAY OF BENGAL & ANDAMAN SEA:-**

**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SOUTH BAY & S ANDAMAN SEA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER NORTH BAY (.)**

## CLOUDS DESCRIPTION OUTSIDE INDIA:-




**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S SRI LANKA GULF OF MANNAR MALDIVES N PAK NEPAL BHUTAN TIBET CHINA YELLOW SEA E CHINA SEA TAIWAN MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR N MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 15.0S LONG 40.0E TO 110.0E AND BET LAT 20.0S TO 33.0S LONG 44.0E TO 88.0E (.)**

**TOO 21/1550 HRS IST=**

**NNNN**

## LEGEND:-

| | | |
|---|---|---|
| **REGION** | **NORTH** | **J&K HP PJB HARY DLH UP UTRKND** |
| | **EAST** | **BHR JHRKND CHTGH OR WB SKM NORTH- EAST STATES** |
| | **WEST** | **RAJ MP GUJ MAHA GOA** |
| | **SOUTH** | **TLNGN AP KRNTK KER TN LKSDP ANDAMAN & NICOBAR ILS** |

| | | |
|---|---|---|
| **CLOUD DISTRIBUTION** | **ISOL** | **ISOLATED (LESS THAN 25%)** |
| | **SCT** | **SCATTERED (25 TO 50%)** |
| | **BKN** | **BROKEN (51 TO 75%)** |
| | **SLD** | **SOLID (GREATER THAN 75%)** |

| | | |
|---|---|---|
| **CLOUDS TOP TEMPERATURE** | **CTT** | **CLOUD TOP TEMPERATURE** |
| **CONVECTION** | **WK CONVTN** | **WEAK CONVECTION (CTT GREATER THAN –25□C)** |
| | **MOD CONVTN** | **MODERATE CONVECTION (CTT BETWEEN -25□C TO -40□C)** |
| | **INT CONVTN** | **INTENSE CONVECTION (CTT BETWEEN -41□C TO -70□C)** |
| | **V INT CONVTN** | **VERY INTENSE CONVECTION (CTT LESS THAN -70□C)** |
| **METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERITORIES** | **ARUPR** | **ARUNACHAL PRADESH** |
| | **BHR** | **BIHAR** |
| | **CHTGH** | **CHHATTISGARH** |
| | **COTL AP** | **COASTAL ANDHRA PRADESH** |
| | **COTL KRNTK** | **COASTAL KARNATAKA** |
| | **COTL ORS** | **COASTAL ORISSA** |
| | **GUJ** | **GUJARAT** |
| | **GWB** | **GANGETIC WEST BENGAL** |
| | **HARY** | **HARYANA** |
| | **DLH** | **DELHI** |
| | **HP** | **HIMACHAL PRADESH** |
| | **J&K** | **JAMMU AND KASHMIR** |
| | **JHRKND** | **JHARKHAND** |
| | **KER** | **KERALA** |
| | **KKN** | **KONKAN** |
| | **LKSDP** | **LAKSHADWEEP** |
| | **M MAHA** | **MADHYA MAHARASHTRA** |
| | **MAHA** | **MAHARASHTRA** |
| | **MANI** | **MANIPUR** |
| | **MEGHA** | **MEGHALAYA** |
| | **MIZO** | **MIZORAM** |
| | **MP** | **MADHYA PRADESH** |
| | **MRTHWD** | **MARATHWADA** |
| | **NAGA** | **NAGALAND** |
| | **N COTL AP** | **NORTH COASTAL ANDHRA PRADESH** |
| | **NIK** | **NORTH INTERIOR KARNATAKA** |
| | **ORS** | **ORISSA** |
| | **PJB** | **PUNJAB** |
| | **RAJ** | **RAJASTHAN** |
| | **RYLSM** | **RAYALASEEMA** |
| | **SAU & KUTCH** | **SAURASHTRA & KUTCH** |
| | **SHWB** | **SUB-HIMALAYAN WEST BENGAL** |
| | **SIK** | **SOUTH INTERIOR KARNATAKA** |
| | **SKM** | **SIKKIM** |
| | **TLNGN** | **TELANGANA** |
| | **TN** | **TAMIL NADU** |
| | **TRP** | **TRIPURA** |
| | **UP** | **UTTAR PRADESH** |

| | | |
|---|---|---|
| | **UTRKND** | **UTTARAKHAND** |
| | **VID** | **VIDHARBHA** |
| | **SHWB** | **SUB HIMALAYAN WEST BENGAL** |
| | **GWB** | **GANGETIC WEST BENGAL** |
| | **ARSEA** | **ARABIAN SEA** |
| | **ILS** | **ISLANDS** |
| **MISCELLANEOUS** | **ASSW** | **IN ASSOCIATION WITH** |
| | **ASSTD** | **ASSOCIATED** |
| | **LLC** | **LOW LEVEL CIRCULATION** |
| | **EMBDD** | **EMBEDDED** |
| | **N/HOOD** | **NEIGHBOURHOOD** |
| | **EXT** | **EXTREME** |